

## 08086400 Hubbard Creek Reservoir nr Breckenridge, TX

Middle Brazos-Clear Fork Basin  
Hubbard Subbasin

LOCATION.--Lat 32°49'53", long 98°58'03" referenced to North American Datum of 1927, Stephens County, TX, Hydrologic Unit 12060105, on left bank just upstream from dam on Hubbard Creek, 1.4 mi upstream from U.S. Highway 183, 6.5 mi northwest of Breckenridge, and 12.6 mi upstream from mouth.

DRAINAGE AREA.--1,085 mi<sup>2</sup>.

### SURFACE-WATER RECORDS

PERIOD OF RECORD.--October 1962 to September 2003 (contents), October 2003 to current year.

REVISED RECORDS.--WDR TX-76-2: Drainage area. WDR TX-95-2: 1990-94.

GAGE.--Water-stage recorder. Datum of gage is NGVD of 1929. Satellite telemeter at station.

COOPERATION.--Records of diversions may be obtained from West Central Texas Municipal Water District.

REMARKS.--Records good. Interruptions in the record were due to malfunction of the instrument. The reservoir is formed by a rolled earthfill dam 5,630 ft long. There are two additional levees, the north and south, making an overall length of 3.5 mi. Storage began September 1962 and the dam was completed in December 1962. The emergency spillway is a 2,000-foot-wide cut through natural ground near the left end of dam. The service spillway is a partially controlled morning-glory type, with 12 lift gates designed to discharge 30,000 ft<sup>3</sup>/s with a 17.5-ft head through a 22.0-ft-diameter concrete conduit. The dam is the property of the West Central Texas Municipal Water District. Prior to Oct. 1, 1998, contents determined from capacity table dated Aug. 1, 1962, furnished by West Central Texas Municipal Water District. Data regarding the dam are given in the following table:

	Elevation (feet)
Top of dam.....	1,208.0
Crest of emergency spillway .....	1,194.0
Top of gates.....	1,185.1
Crest of service spillway .....	1,176.6
Sill of gates.....	1,138.0
Lowest gated outlet (invert).....	1,136.0

Beginning in the 2006 Water Year, water-quality data formerly published with this site are now published as 324514099010201 Hubbard Creek Reservoir Site P11, 324541099053601 Hubbard Creek Reservoir Site P18, 324606099000201 Hubbard Creek Reservoir Site P10, 324649099000501 Hubbard Creek Reservoir Site P09, 324802099021601 Hubbard Creek Reservoir Site P15, 324932098575101 Hubbard Creek Reservoir Site P01, and 324949098594301 Hubbard Creek Reservoir Site P13.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 441,200 acre-ft, Oct. 14, 1981, elevation, 1,190.22 ft; minimum since normal operating level was reached in May 1969, 113,200 acre-ft, Mar. 18, 19, 2002, elevation, 1,164.08 ft.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 1,182.59 ft, Apr. 29, 30, May 1; minimum elevation, 1,180.04 ft, Sept. 30.

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**ELEVATION ABOVE NGVD 1929, FEET**  
**WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**  
**DAILY MEAN VALUES**

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	1,181.83	1,181.06	1,180.71	1,180.43	1,180.20	1,180.29	1,180.80	1,182.56	1,182.31	1,181.83	1,181.02	1,180.52
2	1,181.82	1,181.05	1,180.69	1,180.42	1,180.23	1,180.29	1,180.74	1,182.53	1,182.29	1,181.80	1,181.00	1,180.50
3	1,181.79	1,181.04	1,180.67	1,180.43	1,180.25	1,180.28	1,180.73	1,182.49	1,182.27	1,181.78	1,180.97	1,180.46
4	1,181.77	1,181.04	1,180.66	1,180.43	1,180.26	1,180.28	1,180.70	1,182.48	1,182.24	1,181.75	1,180.93	1,180.43
5	1,181.74	1,181.01	1,180.65	1,180.42	1,180.25	1,180.29	1,180.72	1,182.47	1,182.22	1,181.73	1,180.90	1,180.41
6	1,181.72	1,180.97	1,180.64	1,180.42	1,180.25	1,180.28	1,180.77	1,182.50	1,182.16	1,181.70	1,180.88	1,180.39
7	1,181.70	1,180.96	1,180.64	1,180.42	1,180.25	1,180.28	1,180.79	1,182.51	1,182.14	1,181.66	1,180.86	1,180.37
8	1,181.68	1,180.95	1,180.62	1,180.40	1,180.26	1,180.28	1,180.80	1,182.49	1,182.11	1,181.62	1,180.83	1,180.35
9	1,181.65	1,180.93	1,180.60	1,180.40	1,180.27	1,180.29	1,180.76	1,182.47	1,182.07	1,181.60	1,180.81	1,180.40
10	1,181.63	1,180.93	1,180.59	1,180.39	1,180.27	1,180.29	1,180.80	1,182.46	1,182.04	1,181.58	1,180.77	1,180.43
11	1,181.62	1,180.92	1,180.60	1,180.38	1,180.28	1,180.29	1,180.78	1,182.42	1,182.03	1,181.56	1,180.78	1,180.43
12	1,181.59	1,180.91	1,180.60	1,180.37	1,180.27	1,180.29	1,180.77	1,182.41	1,181.99	1,181.53	1,180.77	1,180.41
13	1,181.57	1,180.89	1,180.61	1,180.36	1,180.27	1,180.29	1,180.77	1,182.39	1,181.95	1,181.49	1,180.75	1,180.40
14	1,181.54	1,180.87	1,180.60	1,180.36	1,180.28	1,180.30	1,180.79	1,182.37	1,181.92	1,181.49	1,180.73	1,180.37
15	1,181.51	1,180.84	1,180.59	1,180.36	1,180.26	1,180.29	1,180.81	1,182.39	1,181.90	1,181.50	1,180.75	1,180.35
16	1,181.48	1,180.83	1,180.58	1,180.34	1,180.26	1,180.29	1,180.83	1,182.37	1,181.86	1,181.50	1,180.74	1,180.33
17	1,181.46	1,180.80	1,180.57	1,180.32	1,180.27	1,180.29	1,180.83	1,182.37	1,181.83	1,181.48	1,180.74	1,180.31
18	1,181.41	1,180.79	1,180.57	1,180.31	1,180.27	1,180.43	1,180.81	1,182.34	1,181.81	1,181.45	1,180.76	1,180.28
19	1,181.37	1,180.79	1,180.56	---	1,180.27	1,180.74	1,180.86	1,182.33	1,181.79	1,181.42	1,180.75	1,180.26
20	1,181.36	1,180.79	1,180.56	---	1,180.28	1,180.78	1,180.87	1,182.30	1,181.92	1,181.38	1,180.73	1,180.24
21	1,181.32	1,180.74	1,180.55	---	1,180.28	1,180.76	1,180.97	1,182.29	1,182.05	1,181.36	1,180.72	1,180.23
22	1,181.26	1,180.71	1,180.54	---	1,180.28	1,180.77	1,181.19	1,182.28	1,182.06	1,181.32	1,180.70	1,180.20
23	1,181.25	1,180.71	1,180.52	---	1,180.28	1,180.73	1,181.11	1,182.25	1,182.04	1,181.29	1,180.68	1,180.18
24	1,181.21	1,180.69	1,180.51	1,180.19	1,180.28	1,180.73	1,181.97	1,182.23	1,182.01	1,181.26	1,180.66	1,180.16
25	1,181.18	1,180.73	1,180.51	1,180.19	1,180.29	1,180.76	1,182.20	1,182.33	1,181.99	1,181.24	1,180.64	1,180.14
26	1,181.17	1,180.74	1,180.49	1,180.19	1,180.28	1,180.79	1,182.21	1,182.32	1,181.97	1,181.21	1,180.62	1,180.12
27	1,181.15	1,180.73	1,180.48	1,180.22	1,180.28	1,180.81	1,182.34	1,182.30	1,181.94	1,181.17	1,180.60	1,180.11
28	1,181.13	1,180.72	1,180.47	1,180.22	1,180.29	1,180.74	1,182.56	1,182.39	1,181.90	1,181.13	1,180.58	1,180.09
29	1,181.12	1,180.70	1,180.47	1,180.20	1,180.29	1,180.76	1,182.58	1,182.39	1,181.87	1,181.10	1,180.56	1,180.07
30	1,181.11	1,180.69	1,180.47	1,180.20	---	1,180.82	1,182.57	1,182.37	1,181.85	1,181.06	1,180.56	1,180.05
31	1,181.09	---	1,180.45	1,180.20	---	1,180.84	---	1,182.34	---	1,181.04	1,180.54	---
Mean	1,181.46	1,180.85	1,180.57	---	1,180.27	1,180.49	1,181.18	1,182.39	1,182.02	1,181.45	1,180.75	1,180.30
Max	1,181.83	1,181.06	1,180.71	---	1,180.29	1,180.84	1,182.58	1,182.56	1,182.31	1,181.83	1,181.02	1,180.52
Min	1,181.09	1,180.69	1,180.45	---	1,180.20	1,180.28	1,180.70	1,182.23	1,181.79	1,181.04	1,180.54	1,180.05

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